

REMARKS

Favorable consideration and allowance of the subject application are respectfully solicited.

Claims 47-49 remain pending in the application. Claims 47 and 49 are independent and have been amended herein. The changes to the claims are not believed to affect allowability and have not been made for any reasons related to patentability.

Favorable consideration is respectfully requested.

Applicants' undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 530-1010. All correspondence should continue to be directed to our below-listed address.

Respectfully submitted,


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Application No. 09/931,256
Attorney Docket No. 01272.007910.4

OCT 30 2002

VERSION WITH MARKINGS TO SHOW
CHANGES MADE TO SUBSTITUTE SPECIFICATION

The paragraph starting at page 43, line 9 has been amended as follows.

In the driving waveform setting portions 211A and 211B, one of three waveforms identified by ① to ③ respectively corresponding to the heaters SH1 and SH2 is selected depending upon the input ejection amount mode. In conjunction therewith, the parameters, such as input pulse width and so forth is set. In the waveform selection from waveforms ① to ③ for the heaters SH1 and SH2 depending upon the ejection amount mode, since the main drive pulses are applied to both of the heaters SH1 and SH2 in the large ejection amount mode, ② or ③ may be selected. However, the waveform ③ including at least the pre-heat pulse has to be selected corresponding to [eightier] either of the heaters.

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VERSION WITH MARKINGS TO SHOW CHANGES MADE TO CLAIMS TECHNOLOGY CENTER 2800

47. (Amended) An ink jet printing apparatus using a printing head, which can perform large ejection in which relatively large amounts of ink are ejected and small ejection in which relatively small amounts of ink are ejected, to perform printing, said apparatus comprising:

means for [performing printing in a printing mode including] selecting one printing mode from a first mode in which the printing head is caused to perform only the large ejection, a second printing mode in which the printing head is caused to perform only the small ejection, and a third printing mode in which the printing head is caused to perform both the large ejection and the small ejection, to perform printing in the selected printing mode.

49. (Amended) An ink jet printing method using a printing head, which can perform large ejection in which relatively large amounts of ink are ejected and small ejection in which relatively small amounts of ink are ejected, to perform printing, said method comprising the step of:

[performing printing in a printing mode including] selecting one printing mode from a first mode in which the printing head is caused to perform only the large ejection, a second printing mode in which the printing head is caused to perform only the small ejection, and a third printing mode in which the printing head is caused to perform

both the large ejection and the small ejection, to perform printing in the selected printing mode.

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